

Title (en)

Time modulated electrospray.

Title (de)

Zeitliche Modulation eines Elektrosprays.

Title (fr)

Electrospray modul  en temps.

Publication

**EP 0565027 A1 19931013**

Application

**EP 93105606 A 19930405**

Priority

US 86660592 A 19920410

Abstract (en)

A system for forming a time modulated electrospray from a sample solution is provided. Further systems for analyzing this time modulated electrospray are provided. In a preferred such further system, a grid connected to a time modulated voltage source is provided between an electrospray apparatus and an analytical apparatus. More generally, a system for changing the energy of charged particles in a gas comprising the application of time modulated electric fields is provided. <IMAGE>

IPC 1-7

**G01N 30/72**; **H01J 49/04**

IPC 8 full level

**B05B 5/025** (2006.01); **G01N 27/62** (2006.01); **G01N 30/72** (2006.01); **G01N 30/84** (2006.01); **H01J 49/04** (2006.01); **H01J 49/10** (2006.01)

CPC (source: EP US)

**G01N 30/7266** (2013.01 - EP US); **H01J 49/04** (2013.01 - EP US); **H01J 49/165** (2013.01 - EP US)

Citation (search report)

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- [X] ANALYTICAL CHEMISTRY vol. 63, no. 24, 15 December 1991, COLUMBUS US pages 2897 - 2900 CHUNG HANG SIN ET AL 'ATMOSPHERIC PRESSURE IONISATION TIME-OF-FLIGHT MASS SPECTROMETRY WITH A SUPERSONIC ION BEAM'
- [X] ANALYTICAL CHEMISTRY vol. 63, no. 4, 15 February 1991, COLUMBUS US pages 375 - 383 SCOTT A. MCLUCKEY 'ION SPRAY LIQUID CHROMATOGRAPHY / ION TRAP MASS SPECTROMETRY DETERMINATION OF BIOMOLECULES'

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**EP 93105606 A 19930405**; DE 69308349 T 19930405; JP 10367493 A 19930407; JP 2002021601 A 20020130; US 19940694 A 19940222; US 86660592 A 19920410